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SEQUENCE ANALYSIS

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EMBOSS-Align **Results**

Needle Results	
Matrix	DNAfull
Open gap penalty	10.0
Gap extension penalty	0.5
Needle output	needle-20060804-00212328575043.output
SUBMIT ANOTHER JOB	

```
##########################################
# Program:  needle
# Rundate:  Fri Aug 04 00:21:24 2006
# Align_format: srspair
# Report_file: /ebi/extserv/old-work/needle-20060804-00212328575043.output
##########################################

#=========================================
#
# Aligned_sequences: 2
# 1: EMBOSS_001
# 2: EMBOSS_001
# Matrix: EDNAFULL
# Gap_penalty: 10.0
# Extend_penalty: 0.5
#
# Length: 1053
# Identity:    1052/1053 (99.9%)
# Similarity:  1052/1053 (99.9%)
# Gaps:           0/1053 ( 0.0%)
# Score: 5256.0
#
#
#=========================================

EMBOSS_001         1 atgggcgacccggaaaggccggaagcggccgggctggatcaggatgagag     50
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001         1 atgggcgacccggaaaggccggaagcggccgggctggatcaggatgagag     50

EMBOSS_001        51 atcatcttcagacaccaacgaaagtgaaataaagtcaaatgaagagccac    100
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001        51 atcatcttcagacaccaacgaaagtgaaataaagtcaaatgaagagccac    100

EMBOSS_001       101 tcctaagaaagagttctcgccggtttgtcatctttccaatccagtaccct    150
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       101 tcctaagaaagagttctcgccggtttgtcatctttccaatccagtaccct    150

EMBOSS_001       151 gatatttggaaaatgtataaacaggcacaggcttccttctggacagcaga    200
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       151 gatatttggaaaatgtataaacaggcacaggcttccttctggacagcaga    200

EMBOSS_001       201 agaggtcgacttatcaaaggatctccctcactggaacaagcttaaagcag    250
                     ||||||.|||||||||||||||||||||||||||||||||||||||||||
```

```
EMBOSS_001       201 agaggttgacttatcaaaggatctccctcactggaacaagcttaaagcag    250


EMBOSS_001       251 atgagaagtacttcatctctcacatcttagcctttttttgcagccagtgat    300
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       251 atgagaagtacttcatctctcacatcttagcctttttttgcagccagtgat    300


EMBOSS_001       301 ggaattgtaaatgaaaatttggtggagcgctttagtcaggaggtgcaggt    350
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       301 ggaattgtaaatgaaaatttggtggagcgctttagtcaggaggtgcaggt    350


EMBOSS_001       351 tccagaggctcgctgtttctatggctttcaaattctcatcgagaatgttc    400
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       351 tccagaggctcgctgtttctatggctttcaaattctcatcgagaatgttc    400


EMBOSS_001       401 actcagagatgtacagtttgctgatagacacttacatcagagatcccaag    450
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       401 actcagagatgtacagtttgctgatagacacttacatcagagatcccaag    450


EMBOSS_001       451 aaaagggaatttttatttaatgcaattgaaaccatgccctatgttaagaa    500
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       451 aaaagggaatttttatttaatgcaattgaaaccatgccctatgttaagaa    500


EMBOSS_001       501 aaaagcagattgggccttgcgatggatagcagatagaaaatctacttttg    550
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       501 aaaagcagattgggccttgcgatggatagcagatagaaaatctacttttg    550


EMBOSS_001       551 gggaaagagtggtggcctttgctgctgtagaaggagttttcttctcagga    600
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       551 gggaaagagtggtggcctttgctgctgtagaaggagttttcttctcagga    600


EMBOSS_001       601 tcttttgctgctatattctggctaaagaagagaggtcttatgccaggact    650
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       601 tcttttgctgctatattctggctaaagaagagaggtcttatgccaggact    650


EMBOSS_001       651 cacttttccaatgaactcatcagcagagatgaaggacttcactgtgact    700
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       651 cacttttccaatgaactcatcagcagagatgaaggacttcactgtgact    700


EMBOSS_001       701 ttgcttgcctgatgttccaatacttagtaaataagccttcagaagaaagg    750
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       701 ttgcttgcctgatgttccaatacttagtaaataagccttcagaagaaagg    750


EMBOSS_001       751 gtcagggagatcattgttgatgctgtcaaaattgagcaggagttttttaac    800
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       751 gtcagggagatcattgttgatgctgtcaaaattgagcaggagttttttaac    800


EMBOSS_001       801 agaagccttgccagttggcctcattggaatgaattgcattttgatgaaac    850
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       801 agaagccttgccagttggcctcattggaatgaattgcattttgatgaaac    850


EMBOSS_001       851 agtacattgagtttgtagctgacagattacttgtggaacttggattctca    900
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       851 agtacattgagtttgtagctgacagattacttgtggaacttggattctca    900


EMBOSS_001       901 aaggttttttcaggcagaaaatccttttgattttatggaaaacatttcttt    950
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       901 aaggttttttcaggcagaaaatccttttgattttatggaaaacatttcttt    950


EMBOSS_001       951 agaaggaaaaacaaatttctttgagaaacgagtttcagagtatcagcgtt    1000
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       951 agaaggaaaaacaaatttctttgagaaacgagtttcagagtatcagcgtt    1000


EMBOSS_001      1001 ttgcagttatggcagaaaccacagataacgtcttcaccttggatgcagat    1050
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001      1001 ttgcagttatggcagaaaccacagataacgtcttcaccttggatgcagat    1050


EMBOSS_001      1051 ttt    1053
                     |||
EMBOSS_001      1051 ttt    1053
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SEQUENCE ANALYSIS

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EMBOSS-Align **Results**

Needle Results	
Matrix	Blosum62
Open gap penalty	10.0
Gap extension penalty	0.5
Needle output	needle-20060804-00264023727706.output
SUBMIT ANOTHER JOB	

```
#########################################
# Program:  needle
# Rundate:  Fri Aug 04 00:26:41 2006
# Align_format: srspair
# Report_file: /ebi/extserv/old-work/needle-20060804-00264023727706.output
#########################################

#=========================================
#
# Aligned_sequences: 2
# 1: EMBOSS_001
# 2: EMBOSS_001
# Matrix: EBLOSUM62
# Gap_penalty: 10.0
# Extend_penalty: 0.5
#
# Length: 351
# Identity:    351/351 (100.0%)
# Similarity:  351/351 (100.0%)
# Gaps:          0/351 (  0.0%)
# Score: 1821.0
#
#
#=========================================

EMBOSS_001         1 MGDPERPEAAGLDQDERSSSDTNESEIKSNEEPLLRKSSRRFVIFPIQYP     50
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001         1 MGDPERPEAAGLDQDERSSSDTNESEIKSNEEPLLRKSSRRFVIFPIQYP     50

EMBOSS_001        51 DIWKMYKQAQASFWTAEEVDLSKDLPHWNKLKADEKYFISHILAFFAASD    100
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001        51 DIWKMYKQAQASFWTAEEVDLSKDLPHWNKLKADEKYFISHILAFFAASD    100

EMBOSS_001       101 GIVNENLVERFSQEVQVPEARCFYGFQILIENVHSEMYSLLIDTYIRDPK    150
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       101 GIVNENLVERFSQEVQVPEARCFYGFQILIENVHSEMYSLLIDTYIRDPK    150

EMBOSS_001       151 KREFLFNAIETMPYVKKKADWALRWIADRKSTFGERVVAFAAVEGVFFSG    200
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001       151 KREFLFNAIETMPYVKKKADWALRWIADRKSTFGERVVAFAAVEGVFFSG    200

EMBOSS_001       201 SFAAIFWLKKRGLMPGLTFSNELISRDEGLHCDFACLMFQYLVNKPSEER    250
                     ||||||||||||||||||||||||||||||||||||||||||||||||||
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EMBOSS_001      201 SFAAIFWLKKRGLMPGLTFSNELISRDEGLHCDFACLMFQYLVNKPSEER      250

EMBOSS_001      251 VREIIVDAVKIEQEFLTEALPVGLIGMNCILMKQYIEFVADRLLVELGFS      300
                    ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001      251 VREIIVDAVKIEQEFLTEALPVGLIGMNCILMKQYIEFVADRLLVELGFS      300

EMBOSS_001      301 KVFQAENPFDFMENISLEGKTNFFEKRVSEYQRFAVMAETTDNVFTLDAD      350
                    ||||||||||||||||||||||||||||||||||||||||||||||||||
EMBOSS_001      301 KVFQAENPFDFMENISLEGKTNFFEKRVSEYQRFAVMAETTDNVFTLDAD      350

EMBOSS_001      351 F      351
                        |
EMBOSS_001      351 F      351


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